

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Toshihiko SHIRAIWA et al.

Atty. Ref.: 1035-661

Serial No. To be assigned

TC/A.U.: To be assigned

U.S. National Phase of PCT/ JP2005/005780

Examiner: To be assigned

International Filing Date: March 28, 2005

For: METHOD OF ANALYZING PANCREATIC β -CELL AMOUNT AND/OR
PANCREATIC β -CELL FUNCTION AND UTILIZATION THEREOF

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September 20, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO/SB/08a. A copy of each listed foreign patent document and article is attached.

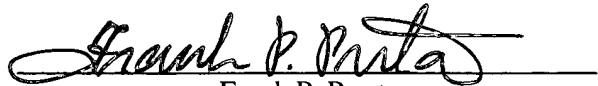
This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO/SB/08a and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



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INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

SERIAL NO.

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10/593488

APPLICANT

Toshihiko SHIRAIWA et al.

(Use several sheets if necessary)

FILING DATE

TC/A.U.

Herewith

To be assigned

U.S. PATENT DOCUMENTS

*EXAMINER

FILING DATE

EX	DOC	DATE	NAME	CLASS	SUBCLASS	FILE

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
WO 03/068357 A2	8/21/2003	WO			X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report dated July 5, 2006 (Japanese); PCT/JP2005/005780
1.	C.W. Beck, "Gut specific expression using mammalian promoters in transgenic <i>Xenopus laevis</i> " Mechanisms of Development, 1999, Vol. 88, p. 221-227.
2.	DANIELLE Melloul, "Section 2: β -Cell Genes: Functional Aspects Regulation of pdx-1 Gene Expression", DIABETES, 2002, Vol. 1, supp. 3, p. S320-S325.
3.	YASUKE Moritoh, "Analysis of Insulin-Producing Cells During In Vitro Differentiation From Feeder-Free Embryonic Stem Cells", DIABETES, 2003, Vol. 52, No. 5, p. 1163-1168.
4.	MAUREEN Gannon, "Regulatory Regions Driving Developmental and Tissue-Specific Expression of the Essential Pancreatic Gene pdx1" Developmental Biology, 2001, Vol. 238, p. 185-201.
5.	SUSAN C. Campbell, "Regulation of the pdx1 gene promoter in pancreatic β -cells", Biochemical and Biophysical Research Communications, 2002, Vol. 299, pp. 277-284.
6.	KEVIN Gerrish, "Pancreatic β Cell-specific Transcription of the pdx-1 Gene", The Journal of Biological Chemistry 2000, Vol. 275, No. 5, p. 3485-3492.
7.	"Analysis of Expression Regulatory Mechanism for Pancreatic β cell-specific gene" (Yoshitaka KAJIMOTO. Diabetes, 43(3), 2000, pp. 179-181).
8.	Pancreatic Morphogenetic Genes and Abnormalities" (Yoshitaka KAJIMOTO et al., G.I. Research, Vol. 9, No. 3, 2001, pp. 57 (241)-64(248)).
9.	"Beneficial Effects of Antioxidants in Diabetes. -Possible Protection of Pancreatic β -Cells Against Glucose Toxicity-" (Hideaki KANETO et al., Diabetes, Vol. 48, December 1999, p2398 - p2406).
10.	"Glucose Toxicity in β -Cells: type 2 Diabetes, Good Radicals Gone Bad, and the Glutathione Connection", (R. Paul ROBERTSON et al., Perspectives in Diabetes, Diabetes, Vol. 52, March 2003, p581-587).
11.	"Prevention of Glucose Toxicity in HIT-T15 Cells and Zucker Diabetic Fatty Rats by Antioxidants" (Yoshito TANAKA et al., Proc. Natl. Acad. Sci. USA Vol. 96. 1999, pp10857-10862).
12.	" β -Cell Adaption and Decompensation During the Progression of Diabetes" (Gordon C. WEIR et al., Diabetes, Vol. 50, Supplement 1, 2001, pp S154-S159).
13.	"Glycation-Dependent, Reactive Oxygen Species-Mediated Suppression of the Insulin Gene Promoter Activity in HIT Cells" (Taka-aki MATSUOKA et al., J. Clin. Invest. Vol. 99, No. 1, 1997, pp144-150).

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.